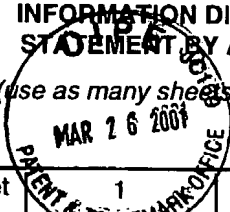


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		Applicant Number	09/737,015
		Filing Date	12/14/2000
		First Named Inventor	Robert Olodort
		Group Art Unit	To be assigned
Examiner Name	To be assigned		
Sheet 1 of 28	Attorney Docket Number	003256.P010	

U.S. PATENT DOCUMENTS				
Examiner Initials *	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY
	Number			
[Signature]	2,956,795	E. E. Foster	10-18-1960	11-21-1958
	3,499,515	M.E. Mikrut	03-10-1970	12-11-1967
	3,574,335	Ricke	04-13-1971	11-26-1969
	3,576,569	Watson	04-27-1971	10-02-1968
	3,693,123	Pedersen	09-19-1972	11-04-1970
	3,703,040	Hill	11-21-1972	07-06-1970
	3,774,309	Leopoldi	11-27-1973	06-19-1972
	3,893,559	Hishida, et al.	07-08-1975	04-26-1974
	3,940,758	Margolin	02-24-1976	09-20-1974
	4,050,702	Del Matto	09-27-1977	04-13-1976

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	Office or Country	Number	Date			
[Signature]	GB	2279617				Yes
	DE	195 02 704 A1	8-1-96	Tauber, Horst	01-28-1995	Yes
	DE	196 48 802 A1	5-28-98	Nagele, Frank	11-26-1996	Yes
	PCT	WO 99/18491	9-30-98	Katz, et al.	04-15-1999	Yes
	PCT	WO 99/26125	11-3-98	Ku, et al.	05-27-1999	Yes

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Examiner Initials *	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published (if known).	Translation? Yes/No

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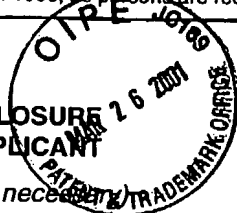
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## **Complete if Known**

Applicati n Number	09/737,015
Filing Dat	12/14/2000
First Named Invent r	Robert Olodort
Group Art Unit	To be assigned
Examiner Name	To be assigned
Attorney Docket Number	003256.P010

Sheet 2 of 28

## **U.S. PATENT DOCUMENTS**

Examiner Initials *	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Filing Date if Appropriate
	Number				
DB	4,066,850		Heys, Jr.	01-03-1978	06-04-1976
	4,068,369		Kaminski	01-17-1978	08-20-1976
	4,070,764		Rohlinger	01-31-1978	12-10-1976
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	4,314,113		Nelson	02-02-1982	01-21-1980
	4,336,530		Koike, et al.	06-22-1982	01-16-1981
	4,354,068		Sobol, III	10-12-1982	02-04-1980
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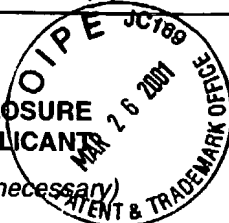
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Sheet 3 of 28

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	Number				
P3	4,366,463		Barker	12-28-1982	05-22-1981
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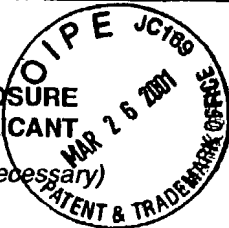
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Examiner Name	To be assigned
Attorney Docket Number	003256.P010

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	Number				
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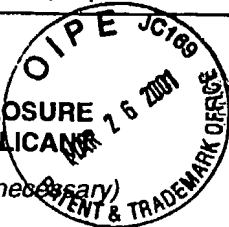
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Application Number	09/737,015
Filing Date	12/14/2000
First Named Inventor	Robert Olodort
Group Art Unit	To be assigned
Examiner Name	To be assigned
Attorney Docket Number	003256.P010

Sheet 5 of 28

## U.S. PATENT DOCUMENTS

Examiner Initials *	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Filing Date if Appropriate
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[Signature]	4,739,451	Kuba	04-19-1988	12-31-1986	
	4,771,146	Suzuki, et al.	09-13-1988	11-30-1987	
	4,795,888	MacFarlane	01-03-1989	07-13-1987	
	4,815,784	Zheng	03-28-1989	02-05-1988	
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	4,850,233	Ishigo	07-25-1989	05-17-1988	
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	4,885,891	Lynch	12-12-1989	08-30-1988	
	4,902,862	Oelsch, et al.	02-20-1990	05-12-1988	
	4,914,999	Masubuchi, et al.	04-10-1990	09-02-1988	

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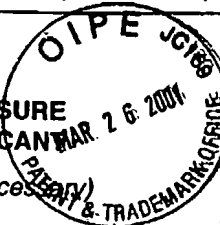
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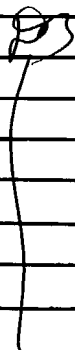



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Applicant Number	09/737,015
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First Named Inventor	Robert Olodort
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Examiner Name	To be assigned
Attorney Docket Number	003256.P010

Sheet 6 of 28

## **U.S. PATENT DOCUMENTS**

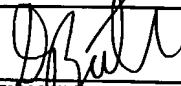
Examiner Initials *	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Filing Date if Appropriate
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	4,942,700		Hoberman	07-24-1990	10-27-1988
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	5,003,140		Abell, Jr., et al.	03-26-1991	06-26-1989
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	5,034,573		Bonmassari, et al.	07-23-1991	06-11-1990

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Sheet	7	of	28	Applicati n Numb r	09/737,015
				Filing Dat	12/14/2000
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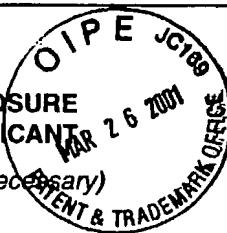
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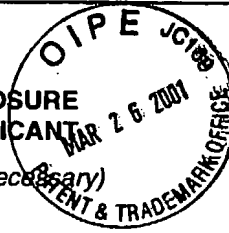
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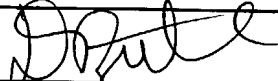
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				Application Number	09/737,015
				Filing Date	12/14/2000
				First Named Inventor	Robert Olodort
				Group Art Unit	To be assigned
				Examiner Name	To be assigned
Sheet	10	of	28	Attorney Docket Number	003256.P010


U.S. PATENT DOCUMENTS				
Examiner Initials *	U.S. Patent Document Number	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Filing Date if Appropriate
[Signature]	5,278,371	Watanabe, et al.	01-11-1994	10-28-1992
	5,278,372	Takagi, et al.	01-11-1994	10-28-1992
	5,278,374	Takagi, et al.	01-11-1994	10-18-1992
	5,278,725	Konno, et al.	01-11-1994	04-07-1992
	5,278,779	Conway, et al.	01-11-1994	06-26-1992
	5,280,147	Mochizuki, et al.	01-18-1994	10-28-1992
	5,283,862	Lund	02-01-1994	04-16-1993
	5,287,245	Lucente, et al.	02-15-1994	11-13-1992
	5,289,023	Mead	02-22-1994	08-07-1992
	5,289,394	Lapeyre	02-22-1994	03-09-1993

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Examiner Initials *	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Translation? Yes/No
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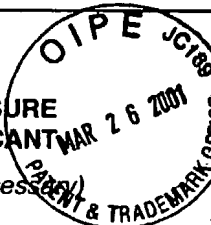
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Group Art Unit	To be assigned
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Sheet 11 of 28

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Examiner Initials *	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Filing Date if Appropriate
	Number				
	5,295,089	Ambasz		03-15-1994	05-28-1992
	5,298,706	English, et al.		03-29-1994	08-13-1992
	5,304,764	Kobayashi		04-19-1994	02-19-1992
	5,306,886	Yamada		04-26-1994	06-15-1992
	5,310,973	Lee		05-10-1994	10-08-1991
	5,318,367	Braun, et al.		06-07-1994	08-26-1992
	5,321,795	Alvarez de Toledo		06-14-1994	05-24-1991
	5,324,902	Shen		06-28-1994	06-21-1993
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	5,329,084	Watanabe, et al.		07-12-1994	03-18-1993

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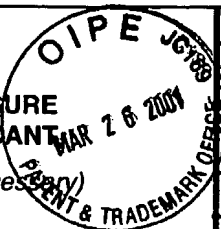
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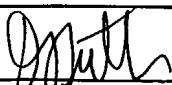
Examiner Initials *	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Filing Date if Appropriate
	Number				
PB		5,334,976	Wang	08-02-1994	07-11-1990
		5,336,001	Lichtenberg	08-09-1994	08-04-1992
		5,339,097	Grant	08-16-1994	03-06-1992
		5,339,213	O'Callaghan	08-16-1994	11-16-1992
		5,341,133	Savoy, et al.	08-23-1994	05-09-1991
		5,341,154	Bird	08-23-1994	12-27-1991
		5,345,362	Winkler	09-06-1994	04-29-1993
		5,349,303	Gerpheide	09-20-1994	07-02-1993
		5,351,843	Wichman, et al.	10-04-1994	04-27-1992
		5,355,148	Anderson	10-11-1994	01-14-1993

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J.S.		5,355,149	Casebolt	10-11-1994	05-27-1992
		5,378,069	Bowen	01-03-1995	12-15-1993
		5,382,762	Mochizuki	01-17-1995	06-02-1993
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		5,383,735	Smiley	01-24-1995	07-21-1994
		5,388,922	Smiley	02-14-1995	07-23-1993
		5,393,150	Fort	02-28-1995	07-08-1993
		5,394,959	Cullity, et al.	03-07-1995	12-15-1992
		5,398,326	Lee	03-14-1995	02-19-1993
		5,398,585	Starr	03-21-1995	12-27-1991

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				Application Number	09/737,015
				Filing Date	12/14/2000
				First Named Inventor	Robert Olodort
				Group Art Unit	To be assigned
				Examiner Name	To be assigned
Sheet 14 of 28	Attorney Docket Number 003256.P010				

U.S. PATENT DOCUMENTS				
Examiner Initials *	U.S. Patent Document Number	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Filing Date if Appropriate
	5,399,822	Sato, et al.	03-21-1995	07-09-1993
	5,410,333	Conway	04-25-1995	11-12-1993
	5,410,447	Miyagawa, et al.	04-25-1995	08-31-1993
	5,416,498	Grant	05-16-1995	05-17-1993
	5,422,447	Spence	06-06-1995	04-14-1994
	5,424,516	Emmons	06-13-1995	09-23-1993
	5,424,728	Goldstein	06-13-1995	01-05-1993
	5,426,449	Danziger	06-20-1995	04-20-1993
	5,438,177	Fagan	08-01-1995	05-06-1992
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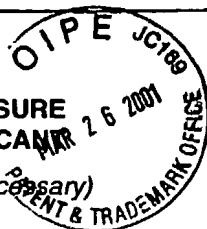
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First Named Inv ntor	Robert Olodort
Group Art Unit	To be assigned
Examiner Name	To be assigned
Attorney Docket Number	003256.P010

## U.S. PATENT DOCUMENTS

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	Number				
B3	5,440,502		Register	08-08-1995	12-26-1991
	5,454,652		Huellemeier, et al.	10-03-1995	11-12-1993
	5,457,297		Chen	10-10-1995	04-20-1994
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	5,459,461		Crowley, et al.	10-17-1995	07-29-1993
	5,463,195		Watanabe, et al.	10-31-1995	12-23-1993
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	5,476,332		Cleveland, Jr.	12-19-1995	05-31-1994
	5,481,074		English	01-02-1996	06-18-1993
B3	5,488,210		Shigetaka, et al.	01-30-1996	02-16-1995

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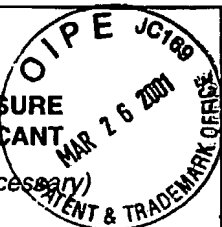
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Application Number	09/737,015
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First Named Inventor	Robert Olodort
Group Art Unit	To be assigned
Examiner Name	To be assigned
Attorney Docket Number	003256.P010

Sheet 16 of 28

## **U.S. PATENT DOCUMENTS**

Examiner Initials *	U.S. Patent Document Number	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Filing Date if Appropriate
23	5,494,363	Hochgesang	02-27-1996	03-08-1994
	5,499,857	Lynch, Jr.	03-19-1996	11-18-1994
	5,502,460	Bowen	03-26-1996	08-02-1994
	5,504,283	Kako, et al.	04-02-1996	12-23-1993
	5,512,719	Okada, et al.	04-30-1996	10-27-1994
	5,519,569	Sellers	05-21-1996	06-30-1994
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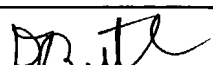
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	5,557,057		Starr	09-17-1996	01-14-1994
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	5,574,481		Lee	11-12-1996	01-31-1994
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	5,579,033		Rutledge, et al.	11-26-1996	05-20-1992
	5,587,875		Sellers	12-24-1996	08-16-1995
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DB	5,590,020	Sellers	12-31-1996	07-18-1995
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	5,595,449	Vitkin	01-21-1997	12-21-1995
	5,596,480	Manser, et al.	01-21-1997	03-28-1994
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	5,612,691	Murmann, et al.	03-18-1997	03-02-1995
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Attorney Docket Number	003256.P010

Sheet 19 of 28

**U.S. PATENT DOCUMENTS**

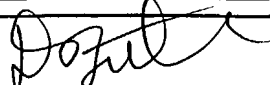
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DS	5,621,610		Moore, et al.	04-15-1997	06-04-1996
	5,625,532		Sellers	04-29-1997	10-10-1995
	5,629,694		Simon, et al.	05-13-1997	11-30-1995
	5,630,501		Tsay	05-20-1997	06-20-1996
	5,635,928		Takagi, et al.	06-03-1997	12-08-1995
	5,642,110		Raasch, et al.	06-24-1997	09-27-1994
	5,644,338		Bowen	07-01-1997	03-25-1996
SD	5,646,817		Manser, et al.	07-08-1997	03-13-1996
	5,648,771		Halgren, et al.	07-15-1997	08-18-1995
	5,653,543		Abe	08-05-1997	07-15-1996

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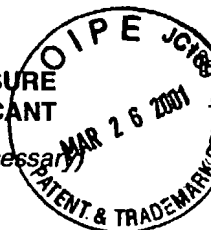


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Complete if Known

Application Number	09/737,015
Filing Date	12/14/2000
First Named Inventor	Robert Olodort
Group Art Unit	To be assigned
Examiner Name	To be assigned
Attorney Docket Number	003256.P010

Sheet 20 of 28

## U.S. PATENT DOCUMENTS

Examiner Initials *	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Filing Date if Appropriate
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[Signature]	5,654,872		Sellers	08-05-1997	04-16-1996
	5,657,860		Koike, et al.	08-19-1997	12-28-1995
	5,659,307		Karidis, et al.	08-19-1997	03-29-1995
	5,677,826		Sellers	10-14-1997	09-23-1996
	5,684,279		Burgett	11-04-1997	09-12-1995
	5,687,058		Roylance	11-11-1997	10-11-1995
	5,695,047		Tanahashi	12-09-1997	07-16-1996
	5,703,578		Allison	12-30-1997	01-16-1997
	5,706,167		Lee	01-06-1998	07-18-1996
	5,712,760		Coulon, et al.	01-27-1998	01-26-1996

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				Group Art Unit	To be assigned
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Sheet	21	of	28	Attorney Docket Number	003256.P010


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JG		5,733,056	Meagher	03-31-1998	12-05-1996
		5,735,390	Takagi, et al.	04-07-1998	06-19-1996
		5,738,450	Lukosch	04-14-1998	08-05-1996
		5,742,475	Riddiford	04-21-1998	09-23-1996
		5,763,842	Tsai, et al.	06-09-1998	11-19-1996
		5,767,464	Dyer, et al.	06-16-1998	12-05-1996
		5,769,551	Tsai, et al.	06-23-1998	04-09-1996
		5,772,008	Yu, et al.	06-30-1998	07-08-1996
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		5,777,281	Riddiford	07-07-1998	09-23-1996

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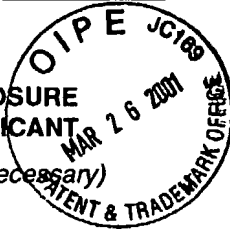
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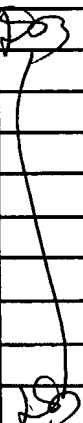
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		Filing Date	12/14/2000
		First Named Inventor	Robert Olodort
		Group Art Unit	To be assigned
		Examiner Name	To be assigned
Sheet	22 of 28	Attorney Docket Number	003256.P010

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	Number				
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				Filing Date	12/14/2000
				First Name of Inventor	Robert Olodort
				Group Art Unit	To be assigned
				Examiner Name	To be assigned
Sheet	23	of	28	Attorney Docket Number	003256.P010

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903		5,847,337	Chen	12-08-1998	07-09-1997
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		5,924,553	Yeh	07-20-1999	10-13-1998
	87		5,926,364	Karidis	07-20-1999

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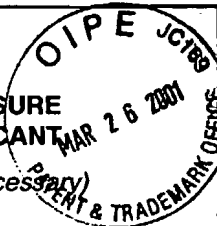
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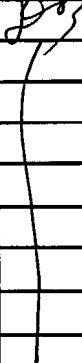



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Applicati n Numb r	09/737,015
Filing Dat	12/14/2000
First Nam d Inv nt r	Robert Olodort
Group Art Unit	To be assigned
Examiner Name	To be assigned
Attorney Docket Number	003256.P010

Sheet	24	of	28
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		5,934,454	Burleson, et al.	08-10-1999	10-10-1997
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		5,964,341	Tsai	10-12-1999	07-20-1998
		5,967,298	Watanabe, et al.	10-19-1999	08-08-1997
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		5,973,281	Tsai	10-26-1999	07-29-1998

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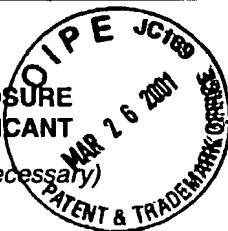
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Applicati n Number	09/737,015
Filing Date	12/14/2000
First Nam d Inv ntor	Robert Olodort
Group Art Unit	To be assigned
Examiner Name	To be assigned
Attorney Docket Number	003256.P010

Sheet 25 of 28

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P	5,986,227	Hon		11-16-1999	01-08-1998
	5,990,433	Alden, III, et al.		11-23-1999	12-17-1997
	5,994,655	Tsai		11-30-1999	02-02-1999
	5,995,025	Sternglass, et al.		11-30-1999	12-18-1997
	5,997,196	Hu		12-07-1999	12-18-1998
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	6,005,209	Burleson, et al.		12-21-1999	11-24-1997
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DB	6,028,768		Cipolla	02-22-2000	07-30-1997
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	6,040,541		Li	03-21-2000	05-04-1999
	6,060,676		Pan	05-09-2000	06-05-1998
	6,064,020		Yamada, et al.	05-16-2000	05-25-1999
	6,068,416		Kumamoto, et al.	05-30-2000	01-12-1999
	6,072,134		Sato, et al.	06-06-2000	05-24-1999
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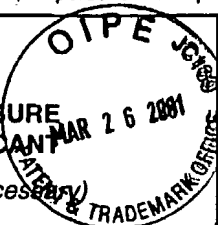


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	Des. 254,554	Genaro, et al.	03-25-1980	03-23-1978
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First Name and Inventor	Robert Olodort
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## **FOREIGN PATENT DOCUMENTS**

Examiner Initials *	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Translation? Yes/No
	Office or Country	Number	Date			

## **OTHER DOCUMENTS**

Examiner Initials *	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published (if known).	Translation? Yes/No

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6/17/04

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<b>Form PTO-1449 (Modified)</b>	<b>Atty Docket No.:</b> 03256.P010	<b>Serial No.:</b> 09/737,015
<b>List of Patents and Publications Statement</b> (Use several sheets if necessary)	<b>Applicants:</b> Olodort, Robert, et al.	
	<b>Filing Date:</b> December 14, 2000	

REFERENCE DESIGNATION				U.S. PATENT DOCUMENTS			
Exam. Initial		Date	Document Number	Name	Class	Sub-Class	Filing Date
JP		May 6, 1949	2,550,250	Electric Pushbutton	200	159	Apr. 24, 1951
		Mar. 23, 1965	3,174,685	Voting Machine	235	54	Oct. 17, 1962
		Nov. 19, 1974	3,849,611	Manually Operable Keyboard Switch Assembly	200	5	May 21, 1973
		Sept. 30, 1975	3,909,564	Keyboard Assembly With Foldable Printed Circuit Matrix Switch Array, And Key Actuator Locking Slide Plate.	200	5	Aug. 8, 1974
JP		Feb. 2, 1982	4,314,113	Keyswitch Having Contacts Mounted On Cantilever Beams	200	5	Jan. 21, 1980

### FOREIGN PATENT DOCUMENTS

No.		Document No.	Date	Country	Name	Class	Sub-Class	Translation

### OTHER ART (Including Author, Title, Date, Pertinent Pages, etc.)


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<b>Examiner</b> <i>JP</i>	<b>Date Considered</b> 6-17-04
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Substitut for Form 1449A/PTO (Modified)				<b>Complete if Known</b>	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> (use as many sheets as necessary)				Application Number	09/737,015
				Filing Date	12-14-00
				First Named Inventor:	Robert Olodort, et al.
				Group Art Unit	2152
				Examiner Name	Not yet assigned
Sheet	1	of	2	Attorney Docket Number	03256.P010

U.S. PATENT DOCUMENTS						
Exam. Initial*	Cite No. <sup>1</sup>	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number Code <sup>2</sup>	Kind (If known)			
DB		3,969,600		Sims, Jr.	7-13-1976	

FOREIGN PATENT DOCUMENTS								
Exam. Initial*	Cite No. <sup>1</sup>	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>o</sup>
		Office <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (If known)				
DB		GB	2315162	A	BEHAVIOR TECH COMPUTER CORP	21-01-1998		
DB		EP	0966010	A2	FUJITSU LTD; FUJITSU TAKAMASAWA COMPONENT L (JP)	22-12-1999		
DB		EP	1049119	A2	ALPS ELECTRIC CO., LTD	02-11-2000		

Examiner Signature	<i>DB</i>	Date Considered	6-17-04
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<sup>1</sup>Unique citation designation number. <sup>2</sup>See attached Kinds of U.S. Patent Documents. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard S.3). <sup>4</sup>For Japanese patent documents, the indication of the year of reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup>Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.



<b>Substitut for Form 1449A/PTO (Modified)</b> <b>INFORMATION DISCLOSURE</b> <b>STATEMENT BY APPLICANT</b> <i>(use as many sheets as necessary)</i>				<b>Complete if Known</b>	
				Application Number	09/737,015
				Filing Date	12-14-00
				First Named Inventor:	Robert Olodort, et al.
				Group Art Unit	2152
Examiner Name	Not yet assigned				
Sheet	2	of	2	Attorney Docket Number	03256.P010
<b>OTHER ART - NO PATENT LITERATURE DOCUMENTS</b>					
Examiner Initials*	Cite No <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published			T <sup>2</sup>
DB		Patent Cooperation Treaty, PCT Invitation To Pay Additional Fees (PCT Article 17(3)(a) and Rule 40.1), International Application No. PCT/US 01/49492, Applicant THINK OUTSIDE, INC., Mailing Date, 21-06-02, 5 pages attached.			
		Patent Abstracts Of Japan, Vol. 017, No. 460, 23 August 1993, Publication No. 05109333, Publication Date 04-30-93, Applicant NEC TOHOKU LTD, Inventor MIURA HIDEKI, 1 page attached.			
DB		Patent Abstracts of Japan, Vol. 1999, No. 09, 30 July 1999, Publication No. 11111101, Publication Date 23-04-99, Applicant SMK CORP., Inventor TAKADA YSAUO, 1 page attached.			

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